

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/575,364
Source: IFWP
Date Processed by STIC: 4/25/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/575,364

CRF Edit Date: 4/25/06
Edited by: AC

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

✓ Deleted: 1 invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

DATE: 04/25/2006

PATENT APPLICATION: US/10/575,364

TIME: 15:49:17

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04252006\J575364.raw

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3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated
6     with Arginyl Aminopeptidase (Aminopeptidase B)-Like 1
7     (RNPEPL1)
9 <130> FILE REFERENCE: BHC 03 01 005
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/575,364
C--> 11 <141> CURRENT FILING DATE: 2006-04-11
11 <160> NUMBER OF SEQ ID NOS: 5
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 1981
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
20 <400> SEQUENCE: 1
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22 acgccacgtg ggaagagatg tggctgagcg agggcctggc cacctatgcc cagcgccgta      120
23 tcaccaccga aacctacggt gctgccttca cctgcctgga gactgccttc cgcctggacg      180
24 ccctgcaccg gcagatgaag cttctgggag aggacagccc ggtcagcaaa ctgcaggtca      240
25 agctggagcc aggagtgaat cccagccacc tgatgaacct gttcacctac gagaagggct      300
26 actgcttcgt gtactacctg tcccagctct gcggagaccc acagcgcttt gatgactttc      360
27 tccgagccta tgtggagaag tacaagttca ccagcgtggg ggcccaggac ctgctggact      420
28 ccttcctgag cttcttcccg gagctgaagg agcagagcgt ggactgccgg gcagggctgg      480
29 aattcgagcg ctggctcaat gccacaggcc cgccgctggc tgagccggac ctgtctcagg      540
30 gatccagcct gacccggccc gtggaggccc ttttccagct gtggaccgca gaacctctgg      600
31 accaggcagc tgccctcgcc agcgccattg acatctccaa gtggaggacc ttccagacag      660
32 cactcttctt ggaccggctc ctggatgggt ccccgctgcc gcaggaggtg gtgatgagcc      720
33 tgtccaagtg ctactctctc ctgctggact cgatgaacgc tgagatccgc atccgctggc      780
34 tgcagattga ggtccgcaac gactactatc ctgacctcca cagggtgcgg cgcttctctg      840
35 agagccagat gtcacgcatg tacaccatcc cgctgtacga ggacctctgc accggtgccc      900
36 tcaagtcctt cgcgctggag gtcttctacc agacgcaggg ccggctgcac cccaacctgc      960
37 gcagagccat ccagcagatc ctgtcccagg gcctgggctc cagcacagag cccgcctcag     1020
38 agcccagcac ggagctgggc aaggctgaag cagacacaga ctcgacgca caggccctgc     1080
39 tgcttgggga cgaggccccc agcagtgcc tctctctcag ggacgtcaat gtgtctgcct     1140
40 agccctgttg gcgggctgac cctcgacctc ccagacacca caattgtgcc ttctgtgggc     1200
41 caggcctgcc atgactgctg ctcggtcttg gccatgagct ctgcccaggc ccacaagccc     1260
42 ctcccctggg ctctcccagg cagggagaat ggggagaggg acctccttgt gtctggcaga     1320
43 gacctgtgga cctggcctcc ccactcccag ctctcttgca ctgcaggccc tggggccagc     1380
44 ccgcacacac catgcctcct gtctcaacac tgacagctgt gcctagcccc ggatgccagc     1440
45 acctgccagg tgccgccccg gggcaagggc cccagcagcc ctatggtgac cgccacactg     1500
46 tgccttaatg tctgccgggg gccaggctg tgctgtccct gcagcacgcc tccttgagg     1560
47 gatctgagcc accctccccg cacagccctg caccgccccc ctggggttgg cagcctcagt     1620
48 tggcccctgg cagaggaaca aggacacaga cattccctca gtgtgggggg caggggacac     1680
49 agggagagga tgggtgtccc tggggagggc cctctggccc caggcaacct tagccctca     1740

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50 gaacagggag tcccaggacc cagggagagt gtggggacag gacagcctgt ctctttagc 1800
51 ttcttggggg gggaggcaca ggggcaaagc aataccccag ggaaagtggg aggtgggtgct 1860
52 ggtgctctct ccaggccac catgctggga gaggcggcca gagcctgggg cctccagcct 1920
53 gggactgctg tgatgggga tcacggtgat ggtcccatta aacttcact ctgcaaacct 1980
54 g 1981
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 354
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 2
62 Met Trp Leu Ser Glu Gly Leu Ala Thr Tyr Ala Gln Arg Arg Ile Thr
63 1 5 10 15
64 Thr Glu Thr Tyr Gly Ala Ala Phe Thr Cys Leu Glu Thr Ala Phe Arg
65 20 25 30
66 Leu Asp Ala Leu His Arg Gln Met Lys Leu Leu Gly Glu Asp Ser Pro
67 35 40 45
68 Val Ser Lys Leu Gln Val Lys Leu Glu Pro Gly Val Asn Pro Ser His
69 50 55 60
70 Leu Met Asn Leu Phe Thr Tyr Glu Lys Gly Tyr Cys Phe Val Tyr Tyr
71 65 70 75 80
72 Leu Ser Gln Leu Cys Gly Asp Pro Gln Arg Phe Asp Asp Phe Leu Arg
73 85 90 95
74 Ala Tyr Val Glu Lys Tyr Lys Phe Thr Ser Val Val Ala Gln Asp Leu
75 100 105 110
76 Leu Asp Ser Phe Leu Ser Phe Phe Pro Glu Leu Lys Glu Gln Ser Val
77 115 120 125
78 Asp Cys Arg Ala Gly Leu Glu Phe Glu Arg Trp Leu Asn Ala Thr Gly
79 130 135 140
80 Pro Pro Leu Ala Glu Pro Asp Leu Ser Gln Gly Ser Ser Leu Thr Arg
81 145 150 155 160
82 Pro Val Glu Ala Leu Phe Gln Leu Trp Thr Ala Glu Pro Leu Asp Gln
83 165 170 175
84 Ala Ala Ala Ser Ala Ser Ala Ile Asp Ile Ser Lys Trp Arg Thr Phe
85 180 185 190
86 Gln Thr Ala Leu Phe Leu Asp Arg Leu Leu Asp Gly Ser Pro Leu Pro
87 195 200 205
88 Gln Glu Val Val Met Ser Leu Ser Lys Cys Tyr Ser Ser Leu Leu Asp
89 210 215 220
90 Ser Met Asn Ala Glu Ile Arg Ile Arg Trp Leu Gln Ile Glu Val Arg
91 225 230 235 240
92 Asn Asp Tyr Tyr Pro Asp Leu His Arg Val Arg Arg Phe Leu Glu Ser
93 245 250 255
94 Gln Met Ser Arg Met Tyr Thr Ile Pro Leu Tyr Glu Asp Leu Cys Thr
95 260 265 270
96 Gly Ala Leu Lys Ser Phe Ala Leu Glu Val Phe Tyr Gln Thr Gln Gly
97 275 280 285
98 Arg Leu His Pro Asn Leu Arg Arg Ala Ile Gln Gln Ile Leu Ser Gln
99 290 295 300
100 Gly Leu Gly Ser Ser Thr Glu Pro Ala Ser Glu Pro Ser Thr Glu Leu

```

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101 305          310          315          320
102 Gly Lys Ala Glu Ala Asp Thr Asp Ser Asp Ala Gln Ala Leu Leu Leu
103          325          330          335
104 Gly Asp Glu Ala Pro Ser Ser Ala Ile Ser Leu Arg Asp Val Asn Val
105          340          345          350
106 Ser Ala
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 22
111 <212> TYPE: DNA
112 <213> ORGANISM: artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: forward primer
117 <400> SEQUENCE: 3
118 ggtccgcaac gactactatc ct                                22
120 <210> SEQ ID NO: 4
121 <211> LENGTH: 22
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: reverse primer
128 <400> SEQUENCE: 4
129 tgggtgtacat gcgtgacatc tg                                22
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 21
133 <212> TYPE: DNA
134 <213> ORGANISM: artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: probe
139 <400> SEQUENCE: 5
140 ctccacaggg tgcggcgctt c                                21

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/575,364

DATE: 04/25/2006

TIME: 15:49:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04252006\J575364.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 04/24/2006

PATENT APPLICATION: US/10/575,364

TIME: 16:26:09

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575364.raw

3 <110> APPLICANT: Bayer HealthCare AG
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with Arginyl
 6 Aminopeptidase (Amino peptidase B)-Like 1 (RNPEPL1)
 8 <130> FILE REFERENCE: BHC 03 01 005
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/575,364
 C--> 10 <141> CURRENT FILING DATE: 2006-04-11
 10 <160> NUMBER OF SEQ ID NOS: 5
 12 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

130 <210> SEQ ID NO: 5
 131 <211> LENGTH: 21
 132 <212> TYPE: DNA
 133 <213> ORGANISM: artificial sequence
 135 <220> FEATURE:
 136 <223> OTHER INFORMATION: probe
 138 <400> SEQUENCE: 5
 139 ctccacaggg tgcggcgctt c
 E--> 141 bhc 03 1 003
 E--> 142 - 4 -
 E--> 146 bhc 03 1 003
 E--> 148 - 1 -

**Does Not Comply
 Corrected Diskette Needed**

21

VERIFICATION SUMMARY

DATE: 04/24/2006

PATENT APPLICATION: US/10/575,364

TIME: 16:26:10

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575364.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:141 M:254 E: No. of Bases conflict, LENGTH:Input:3 Counted:24 SEQ:5
L:141 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=5
M:112 Repeated in SeqNo=5
L:148 M:252 E: No. of Seq. differs, <211> LENGTH:Input:21 Found:27 SEQ:5